		Stamp	Comment s	Error Definition	Er ro rs	
	1	2003/11/2 4 08:00		·	0	
	2	2003/11/2 4 07:43		·	0	
,	3	2003/11/2 4 07:52			0	
	4	2003/11/2 4 07:52			0	
						i i
	5 .	2003/11/2 4 08:00			0	,
				,	***************************************	
	6	2003/11/2 4 08:01			0	
	·				<u></u>	

			•		
	Туре	L#	Hits	Search Text	DBs
1	BRS	L1	990	carriage adj8 servo	USPA T
2	BRS	L2	17	1 and (vibration same spindle)	USPA T
3	BRS	L3	258	1 and (spindle same driv\$5)	USPA T
4	BRS	L4	25	3 and (lpf)	USPA T
5	BRS	<b>L</b> 5	433	carriage adj8 servo	US-P GPUB; EPO; JPO; DERW ENT; IBM_ TDB
6	BRS	L8	2	7 and lpf	US-P GPUB; EPO; JPO; DERW ENT; IBM_ TDB
7	BRS	L6	4	5 and (vibrat\$5 same spindle)	US-P GPUB; EPO; JPO; DERW ENT; IBM_ TDB
8	BRS	L7	63	5 and (spindle same driv\$5)	US-P GPUB; EPO; JPO; DERW ENT; IBM_ TDB

					T
	Туре	L #	Hits	Search Text	DBs
1	BRS	L1	1187	369/44.27	USPA T
2	BRS	L2	72	1 and (carriage same servo)	USPA T
3	BRS	L3	69	2 and (driv\$5 same signal)	USPA T
4	BRS	L4	2824	carriage same servo	USPA T
5	BRS	L5	112	4 and ((puls\$5 adj5 driv\$5)same carriage)	USPA T
6	BRS	L6	1366	carriage same servo	US-P GPUB; EPO; JPO; DERW ENT; IBM_ TDB
7	BRS	L7	13	6 and ((puls\$5 adj5 driv\$5) same carriage)	US-P GPUB; EPO; JPO; DERW ENT; IBM_ TDB

	Time Stamp	Comment	Error Definition	Er ro rs
1	2003/11/2 0 15:40			0
2	2003/11/2 0 15:50		•	0
3	2003/11/2 0 15:40			0
4	2003/11/2 0 15:55			0
5	2003/11/2 0 15:52			0
6	2003/11/2 0 15:55			0
7	2003/11/2 0 15:56			0

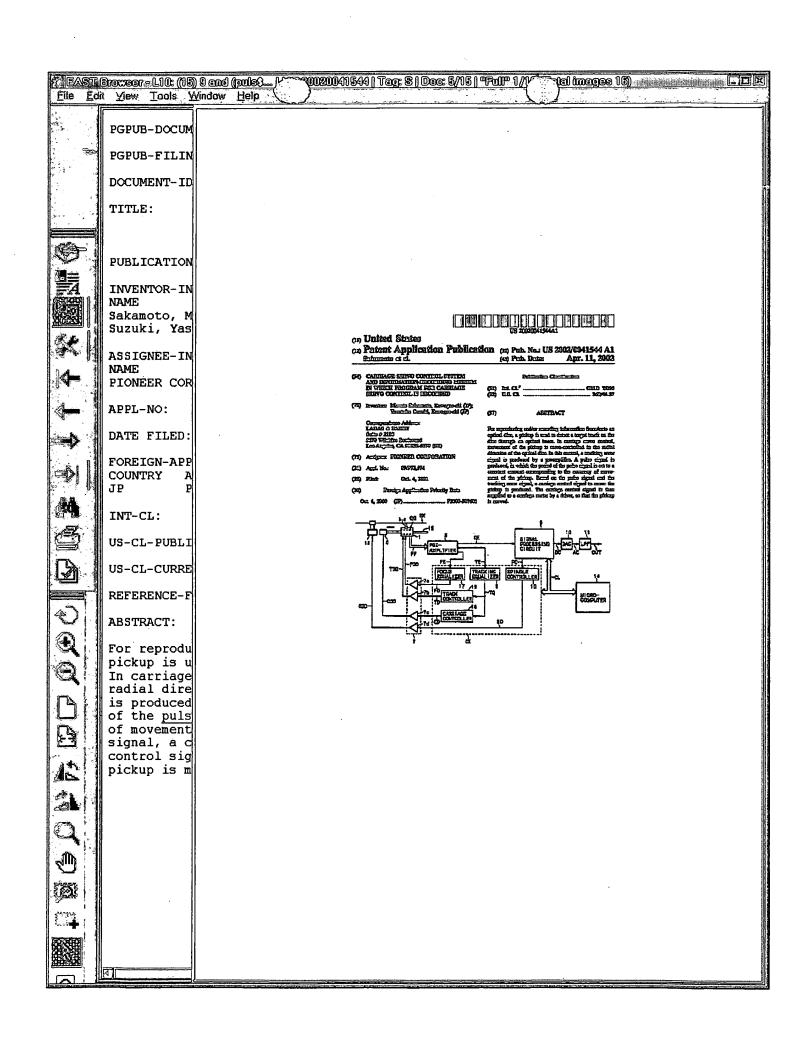
.

	Туре	L#	Hits	Search Text	DB
1	BRS	L1	718	carriage adj5 servo	USP. T
2	BRS	L2	610	1 and (puls\$5 ajd5 signal)	USP. T
3	BRS	L7	146	2 and (puls\$5 adj5 generat\$5)	USP T
4	BRS	L8	146	1 and (puls\$5 adj5 generat\$5)	USP. T
5	BRS	L9	324	carriage adj5 servo	US- GPU ; EPO JPO DER' ENT IBM TDB
6 ·	BRS	<b>L10</b>	15	9 and (puls\$5 adj5 signal)	US- GPU; EPO JPO DER ENT IBM TDB

			V.	i. S
·	Time Stamp	Comment s	Error Definition	Er ro rs
1	2003/11/2 0 13:24			0
2	2003/11/2 0 13:18			0
3	2003/11/2 0 13:19			0
4 .	2003/11/2 0 13:19			0
5,	2003/11/2 0 13:24			O
6	2003/11/2 0 13:25			0
7	2003/11/2 0 13:25			0
8 ^	2003/11/2 0 13:25			O

•

⊗.



## EAST Browser - L10: (15) 9 and (puls\$... 9002117557 A | Tag: S | Doc: 10/15 | Format File Edit View Tools Window Help

PAT-NO:

JP02002117557A

DOCUMENT-IDENTIFIER:

JP 2002117557 A

TITLE:

CARRIAGE SERVO CONTROLLER AND INFORMATION RECORDING MEDIUM RECORDED WITH HOLOGRAM FOR CARRIAGE SERVO CONTROL

PUBN-DATE:

April 19, 2002

INVENTOR-INFORMATION:

NAME

COUNTRY

SAKAMOTO, MASAHITO SUZUKI, YASUTAKA

N/A N/A

ASSIGNEE-INFORMATION:

NAME

COUNTRY

PIONEER ELECTRONIC CORP

N/A

APPL-NO:

JP2000307601

APPL-DATE:

October 6, 2000

INT-CL (IPC): G11B007/09, G11B007/085

ABSTRACT:

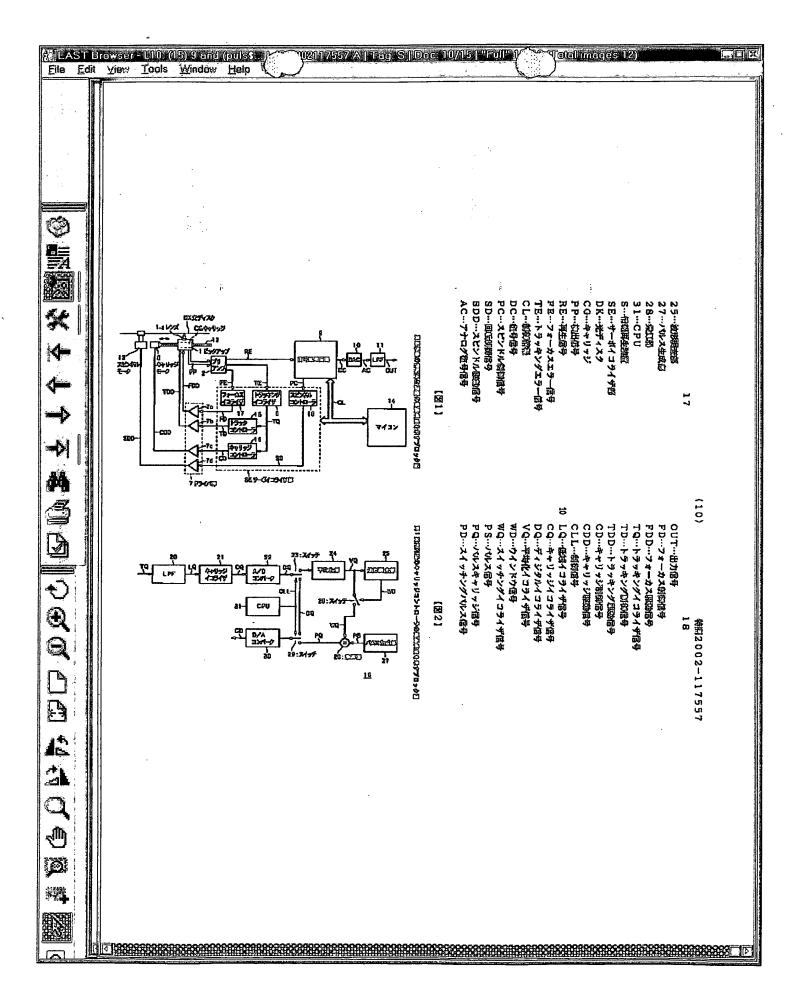
1

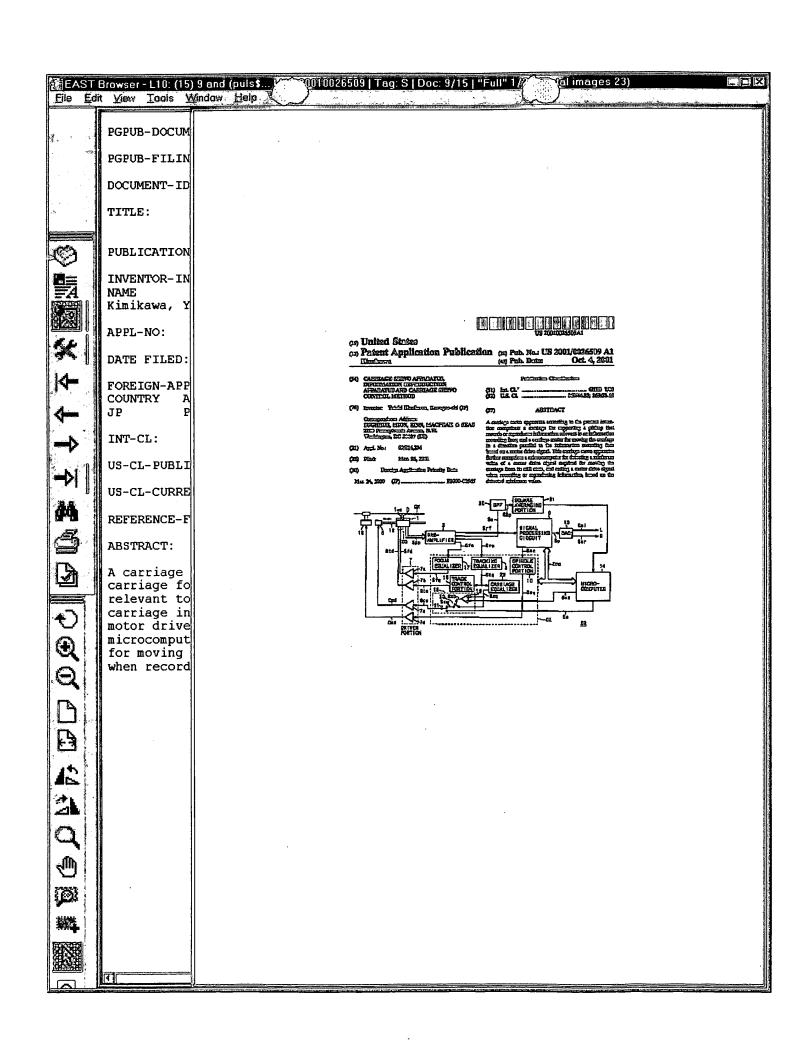
4

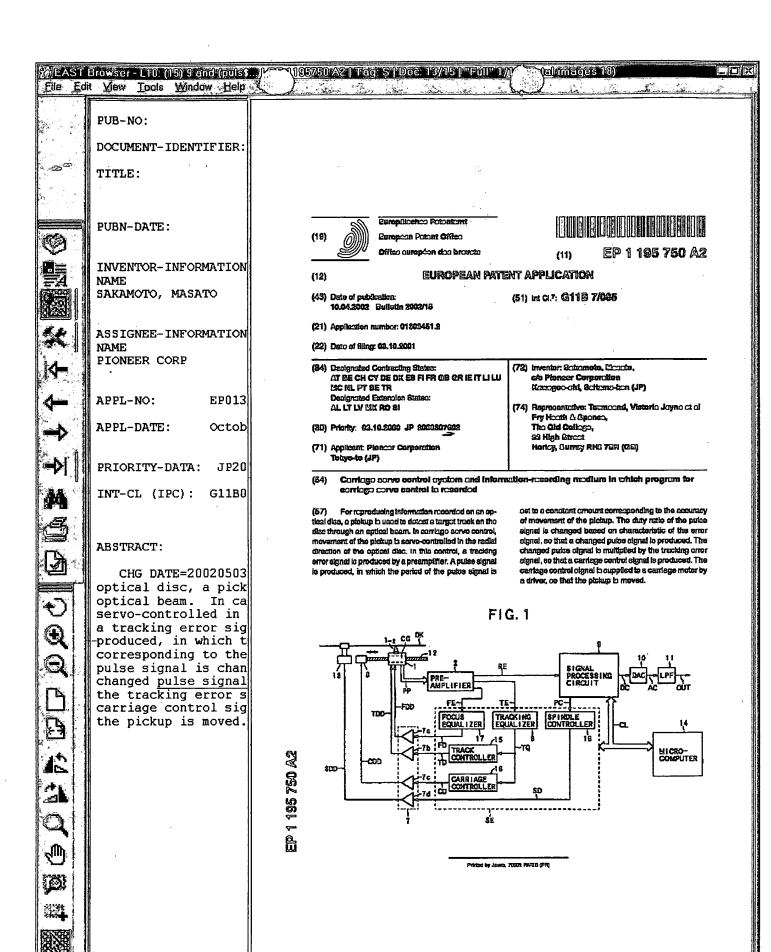
PROBLEM TO BE SOLVED: To porovide a carriage servo controller which allows the execution of the carriage servo control complying with a design value, is capable of decreasing the man-hours for design by an improvement in the degree of freedom in design, is capable of easily executing the desired carriage servo control and is adaptable to diversified applications.

SOLUTION: This carriage servo controller has a preamplifier which forms a tracking error signal when the radial movement of a pickup of at least either recording or reproducing information to or from the tracks on an optical disk by irradiating the tracks with a light beam is subjected to carriage servo control, a pulse forming section 27 which forms a pulse signal PS having a specified period corresponding to the moving accuracy of the pickup, a multiplier 28 which forms a carriage control signal CD to move the pickup 1 in accordance with the formed pulse signal PS and the tracking error signal and a driver section which moves the pickup by impressing the formed carriage control signal CD to a carriage motor.

COPYRIGHT: (C) 2002, JPO







EAST Browser - L10: (15) 9 and (puls\$...

Elle Edit Yew Taols Window Help

EP001195750A2

DOCUMENT-IDENTIFIER:

EP 1195750 A2

TITLE:

PUB-NO:

Carriage servo control system and information-recording

medium in which program for carriage servo control is

195750 A2 | Tag: S | Doc: 13/15 | Format :

recorded

PUBN-DATE:

April 10, 2002

INVENTOR-INFORMATION:

PIONEER CORP

COUNTRY

SAKAMOTO, MASATO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

JР

JΡ

APPL-NO:

EP01308451

APPL-DATE:

October 3, 2001

PRIORITY-DATA:

JP2000307602A ( October 6, 2000)

INT-CL (IPC): G11B007/085

## ABSTRACT:

CHG DATE=20020503 STATUS=0> For reproducing information recorded on an optical disc, a pickup is used to detect a target track on the disc through an optical beam. In carriage servo control, movement of the pickup is servo-controlled in the radial direction of the optical disc. In this control, a tracking error signal is produced by a preamplifier. A pulse signal is produced, in which the period of the pulse signal is set to a constant amount corresponding to the accuracy of movement of the pickup. The duty ratio of the pulse signal is changed based on characteristic of the error signal, so that a changed pulse signal is produced. The changed pulse signal is multiplied by the tracking error signal, so that a carriage control signal is produced. The carriage control signal is supplied to a carriage motor by a driver, so that the pickup is moved. <IMAGE>

t) Q(Q)

4

JP02002117556A

DOCUMENT-IDENTIFIER:

JP 2002117556 A

TITLE:

CARRIAGE SERVO CONTROLLER AND INFORMATION RECORDING

MEDIUM RECORDED WITH HOLOGRAM FOR CARRIAGE SERVO CONTROL

PUBN-DATE:

April 19, 2002

INVENTOR-INFORMATION:

NAME

COUNTRY

SAKAMOTO, MASAHITO

N/A

ASSIGNEE-INFORMATION:

NAME

4

Đ

1

4

(**8**)

COUNTRY

PIONEER ELECTRONIC CORP

N/A

APPL-NO:

JP2000307602

APPL-DATE:

October 6, 2000

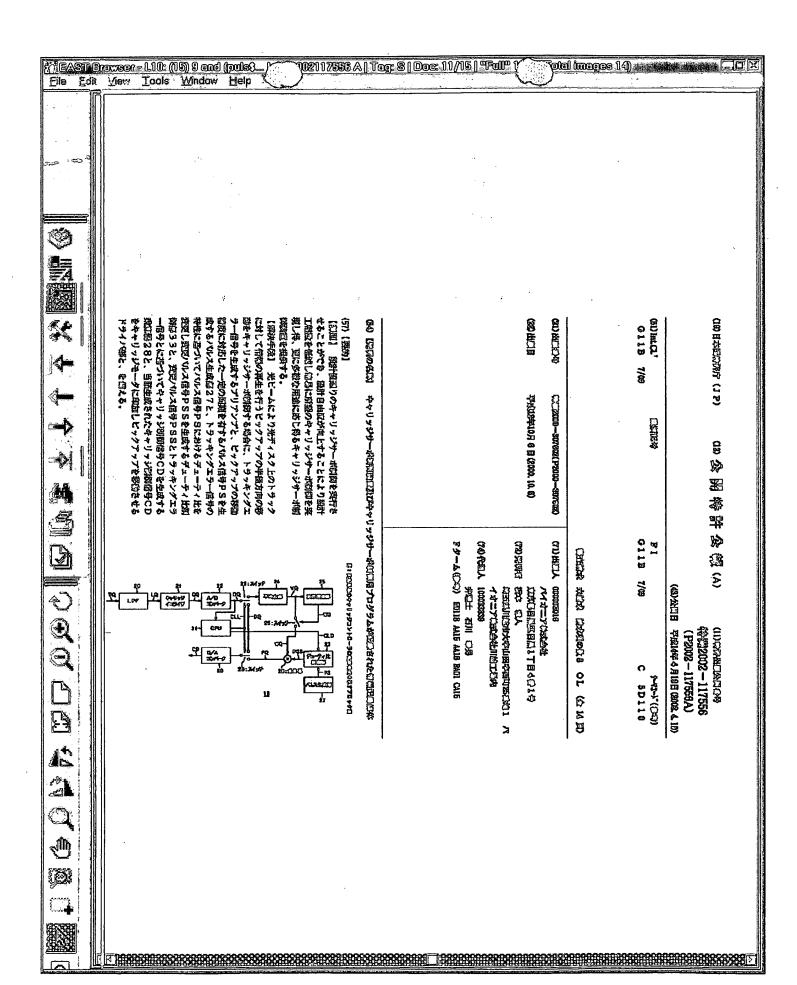
INT-CL (IPC): G11B007/09

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a carriage servo controller which allows the execution of the carriage servo control complying with a design value, is capable of decreasing the man-hours for design by an improvement in the degree of freedom in design, is capable of easily executing the desired carriage servo control and is adaptable to diversified applications.

SOLUTION: This carriage servo controller has a preamplifier which forms a tracking error signal when the radial movement of a pickup o reproducing information from the tracks on an optical disk by a light beam is subjected to carriage servo control, a pulse forming section 27 which forms a pulse signal PS having a specified period corresponding to the moving accuracy of the pickup, a duty ratio control section 33 which forms a changed pulse signal PSS by changing the duty ratio of the pulse signal PS in accordance with the characteristics of the tracking error signal, a multiplier 28 which forms a carriage control signal CD in accordance with the changed pulse signal PSS and the tracking error signal and driver section which moves the pickup by impressing the formed carriage control signal CD to a carriage motor.

COPYRIGHT: (C) 2002, JPO



PGPUB-DOCUMENT-NUMBER: 20020041543 3

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER:

US 20020041543 A1

TITLE:

Carriage servo control system and information-recording medium in which program for carriage servo control is

recorded

PUBLICATION-DATE:

Sakamoto, Masato

April 11, 2002

INVENTOR-INFORMATION:

NAME

CITY

Kawaqoe-shi

STATE

COUNTRY RULE

JΡ

ASSIGNEE-INFORMATION:

PIONEER CORPORATION

NAME

CITY

STATE

COUNTRY

TYPE CODE

0.3

APPL-NO:

09/ 972441

DATE FILED:

October 5, 2001

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY

APPL-NO

DOC-ID

APPL-DATE

JΡ

Ϥ

P2000-307602

2000JP-P2000-307602

October 6, 2000

INT-CL:

[07], G11B007/095

US-CL-PUBLISHED: 369/44.25, 369/44.34

US-CL-CURRENT:

369/44.25, 369/44.34

REFERENCE-FIGURES: 1

ABSTRACT:

For reproducing information recorded on an optical disc, a pickup is used to detect a target track on the disc through an optical beam. In carriage servo control, movement of the pickup is servo-controlled in the radial direction of the optical disc. In this control, a tracking error signal is produced by a preamplifier. A pulse signal is produced, in which the period of the pulse signal is set to a constant amount corresponding to the accuracy of movement of the pickup. The duty ratio of the pulse signal is changed based on characteristic of the error signal, so that a changed pulse signal is produced. The changed pulse signal is multiplied by the tracking error signal, so that a carriage control signal is produced. The carriage control signal is supplied to a carriage motor by a driver, so that the pickup is moved.

